



Pushing Performance  
Since 1945

# Han GigaBit Cat8 (GND), male



Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 14 008 3035                                                                |
| Specification      | Han GigaBit Cat8 (GND), male                                                  |
| HARTING eCatalogue | <a href="https://harting.com/09140083035">https://harting.com/09140083035</a> |

## Identification

|                           |                     |
|---------------------------|---------------------|
| Category                  | Modules             |
| Type of module            | Han® Gigabit module |
| Description of the module | Insert              |
| Features                  | Suitable for PoE++  |

## Version

|                    |                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Termination method | Crimp termination                                                                                                                           |
| Gender             | Male                                                                                                                                        |
| Number of contacts | 8                                                                                                                                           |
| further contacts   | + shielding                                                                                                                                 |
| Details            | With additional shield connection to the hinged frame<br>Please order crimp contacts separately.<br>Please order adapter module separately. |

## Technical characteristics

|                          |                    |
|--------------------------|--------------------|
| Conductor cross-section  | 0.09 ... 0.52 mm²  |
| Wire outer diameter      | ≤1.7 mm            |
| Rated current            | 5 A                |
| Rated voltage            | 50 V               |
| Rated voltage            | 50 V AC<br>60 V DC |
| Rated impulse voltage    | 0.8 kV             |
| Pollution degree         | 3                  |
| Rated voltage acc. to UL | 30 V               |



**Pushing Performance**  
Since 1945

## Technical characteristics

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Transmission characteristics  | Cat. 7 <sub>A</sub> Class F <sub>A</sub> up to 1,000 MHz |
|                               | Cat. 8 Class II up to 2000 MHz                           |
| Data rate                     | 10 Mbit/s                                                |
|                               | 100 Mbit/s                                               |
|                               | 1 Gbit/s                                                 |
|                               | 2.5 Gbit/s                                               |
|                               | 5 Gbit/s                                                 |
|                               | 10 Gbit/s                                                |
|                               | 25 Gbit/s                                                |
|                               | 40 Gbit/s                                                |
| Contact resistance, shielding | ≤100 mΩ                                                  |
| Limiting temperature          | -40 ... +85 °C                                           |
| Mating cycles                 | ≥500                                                     |

## Material properties

|                                           |                                     |
|-------------------------------------------|-------------------------------------|
| Material (insert)                         | Polycarbonate (PC)                  |
| Colour (insert)                           | RAL 7032 (pebble grey)              |
| Material (shielding)                      | Zinc die-cast, nickel-plated        |
| Material flammability class acc. to UL 94 | V-0                                 |
| RoHS                                      | compliant                           |
| ELV status                                | compliant                           |
| China RoHS                                | e                                   |
| REACH Annex XVII substances               | Not contained                       |
| REACH ANNEX XIV substances                | Not contained                       |
| REACH SVHC substances                     | Not contained                       |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels        | R22 (HL 1-3)                        |
|                                           | R23 (HL 1-3)                        |

## Specifications and approvals

|                |                      |
|----------------|----------------------|
| Specifications | IEC 60664-1          |
|                | IEC 61984            |
|                | IEC 61373 Category 2 |
| Approvals      | DNV GL               |

## Commercial data

|                |          |
|----------------|----------|
| Packaging size | 1        |
| Net weight     | 40.564 g |



Pushing Performance  
Since 1945

Commercial data

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Country of origin              | Romania                                          |
| European customs tariff number | 85389099                                         |
| GTIN                           | 5713140187498                                    |
| eCl@ss                         | 27440218 Module for industrial connectors (data) |
| ETIM                           | EC000438                                         |
| UNSPSC 24.0                    | 39121552                                         |